

**PATENT OF INVENTION**  
**INSTITUT FRANÇAIS DU PÉTROLE**

**CATALYST COMPRISING AT LEAST ONE ZEOLITE  
CHOSEN FROM ZBM-30, ZSM-48 EU-2 AND EU-11 AND AT LEAST ONE Y  
ZEOLITE AND PROCESS OF HYDROCONVERSION OF HYDROCARBON  
CHARGES USING SUCH A CATALYST**

**Invention of Éric BENAZZI, Emmanuelle GUILLON and Johan MARTENS**

**ABSTRACT OF THE TECHNICAL CONTENT OF THE INVENTION**

A hydrocracking catalyst containing at least one matrix, at least one zeolite chosen from the group formed by the zeolites ZBM-30, ZSM-48, EU-2, and EU-11, at least one Y zeolite, at least one hydro-dehydrogenating metal chosen from the group formed by the metals from Group VIB and Group VIII of the periodic table, optionally at least one element chosen from the group formed by phosphorus, boron and silicon, optionally at least one element from Group VIIA, and optionally at least one element from Group VIIB is used in a process of hydrocracking / hydroconversion of hydrocarbon charges.